

*Serving "Our Army at War -- Relevant and Ready"*



# PM TMDE Program Overview

**Presented to  
Automatic Test Systems  
Management Board  
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***Innovation for Today and Tomorrow's Expeditionary Forces***

14 Mar 06



# PM TMDE Managed Products

PEO CS&CSS



- **Calibration Sets (CALSETS)**

CALSET 2000 Tactical Calibration Sets (40) (Program Terminated 30 Nov 2004. Estimated Restore Program 24 Feb 2006)

CALSETS Equipment Modernization (141 sets) (Program Terminated 30 Nov 2004. Estimated Restore Program 24 Feb 2006)

- **Integrated Family of Test Equipment (IFTE) At-Platform Automatic Test Systems (APATS)**

Maintenance Support Device - Version 2 (MSD-V2)

- **Integrated Family of Test Equipment (IFTE) Off-Platform Automatic Test Sets (OPATS)**

Electro-Optics Test Facility (EOTF) (V)5

Next Generation Automatic Test System (NGATS) (V)6

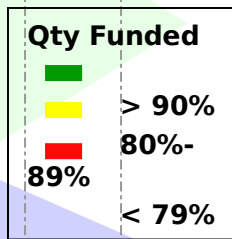
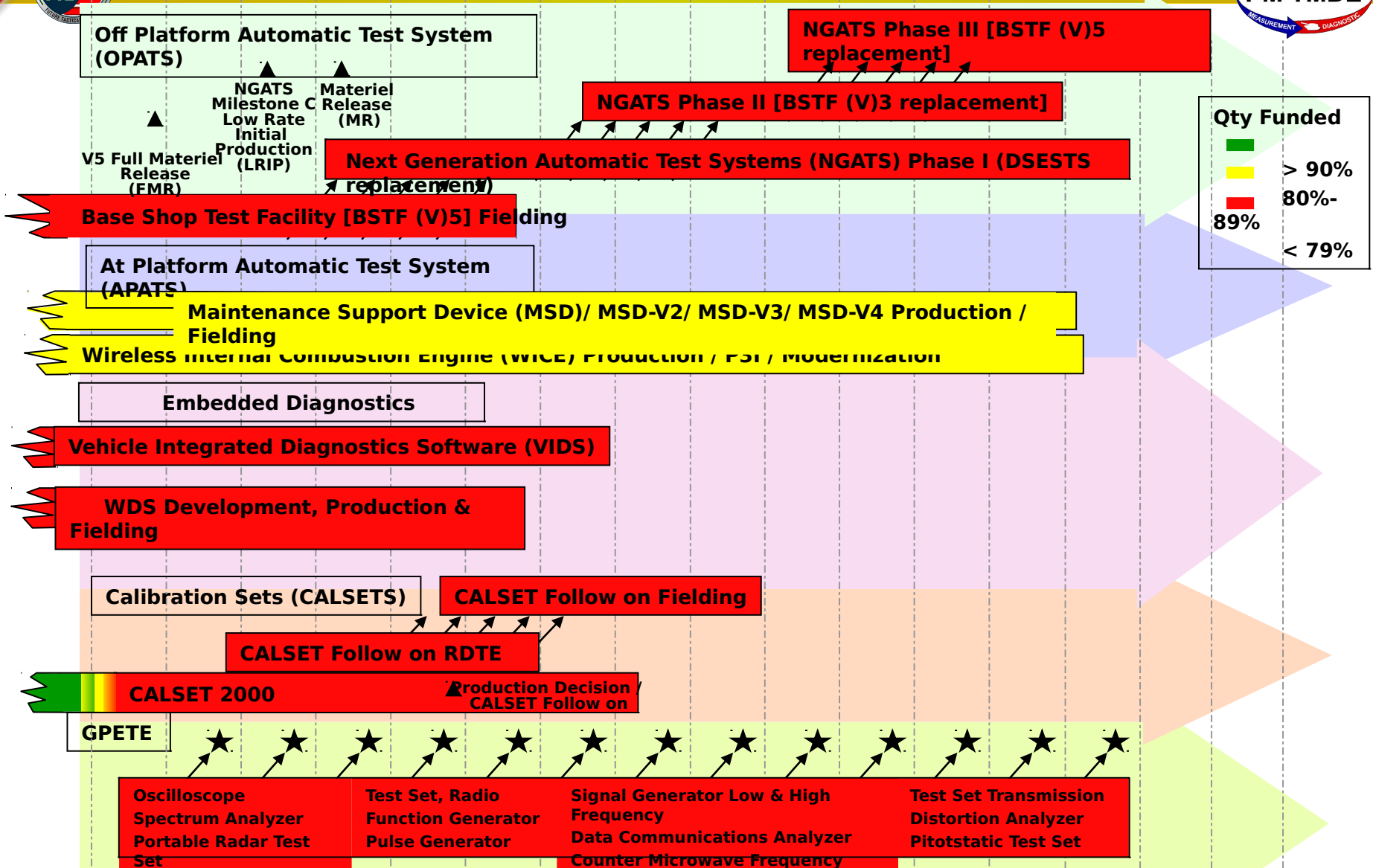
- **General Purpose Electronic Test Equipment (GPETE)**

Ammeter, Digital Clamp-On	Generator, Pulse
Analyzer, Data Communication	Generator, Signal
Analyzer, Distortion	Multimeter
Analyzer, Fiber-Optic Cable	Oscilloscope
Analyzer, LAN/WAN	Test Set, Electrical Cable
Analyzer, Spectrum	Test Set, Optical
Borescope, Digital Optical	Test Set, Pitot Static
Counter, Universal Frequency	Test Set, Radar
Counter, Electronic	Test Set, Radio
Counter, Microwave Frequency	Test Set, Transmission



# TMDE Today thru 2018

FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14 FY15 FY16 FY17 FY18



- Department of the Army (DA) GPETE priority list continuing requirements determination process
- Each star represents 2 to 3 awards per year: 5 year firm fixed price, Indefinite Delivery / Indefinite Quantity (IDIQ) contract

## Fielded Systems

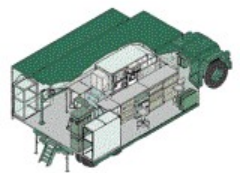


### BSTF (V)3

MLRS  
Avenger  
Paladin  
TOW  
SINCGARS  
Kiowa Warrior  
G/VLLD  
M1A1 (SRUs)  
Ground Based  
Sensor

### BSTF (V)5

Kiowa  
Warrior  
Apache  
EETF  
TSS

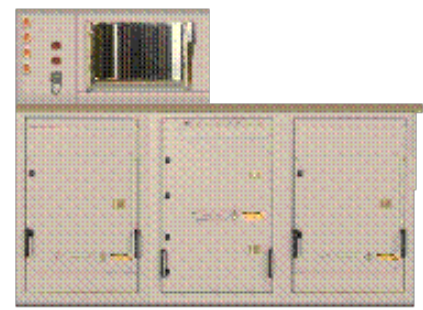


### DSESTS

Abrams  
Bradley  
Bradley TOW



### BSTF (V)6



- Standardizes Army ATE
- Increases weapon system availability
- Reduces repair parts inventory
- Increases mobility, deployability, affordability & supportability
- Reduces footprint
- Facilitates MOS consolidation
- Screens for NEOF
- Assures compliance with Joint

NxTest architecture

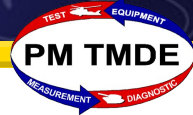
Supports all  
systems  
currently  
supported by:

BSTF(V)3  
BSTF(V)5  
DSESTS

...plus additional  
systems:

KNIGHT	LOSAT
LLDR	NLOS
STRYKER	HIMARS
FCS	Land Warrior
Firefinder	SHORAD





## **Agile, Rapid Global Combat Support (ARGCS) Advanced Concept Technology Demonstration (ACTD)**

- ◆ **Power Supply and Loads Technology**
- ◆ **Bi4 1553 Wrapper**
- ◆ **Slot Zero Controller**
- ◆ **Rack Systems Design/Layout**
- ◆ **TYX Compiler**
- ◆ **Self Test**
- ◆ **Initial Instrumentation Study**
- ◆ **Transition Adaptor (Thin Mints)**

Current Project



Radar Test Set: TS-4530/UPM

[Portable Radar Test Set (PRTS)]

FY07 Project Starts



Radio Test Set: AN/PRM-35



Signal Generator: SG-1364/U

**Mission:** To improve readiness of Army weapon systems; minimize General Purpose Electronic Test Equipment (GPETE) proliferation and obsolescence and reduce operations and support costs. Program procures GPETE that is essential to the continuing support of weapon systems required by current/future forces. Acquisitions are commercial items that have significant impact on readiness, power projection, safety and training operations of the United States Army, Army reserve and National Guard.

**PERFORMANCE:**  
Commercially available, high precision, commercial test equipment.

<b>FIELDING:</b>	Required
TS-4530/UPM	1,502
AN/PRM-35	7,932 Est.
SG-1364/U	2,762 Est.

**SPECIAL FEATURES**  
Commercial Off-the-Shelf  
Non-Developmental  
Multiple Contractors Available

**PRINCIPAL CONTRACTORS:**  
PRTS: Aeroflex, JcAIR Test Systems

Systems Supported

- Air Defense Systems
- Aviation Systems
- Biomedical Systems
- Communication Systems
- Ground Systems
- Watercraft

Current Status

- Completed fielding 2195 each of the OS-303/G Oscilloscopes
- Completed fielding 1526 each of the An/USM-677 Spectrum Analyzers
- Initiated contract packages for AN/PRM-35 Radio Test Set and SG-1364/U Signal Generator
- Initiated ECP to incorporate IFF Mode 5 test capability

## **Program Remains in Termination Status**

- **Termination rescission sent to the AAE**
- **POM funding not restored**
- **Reversal of CALSETS program termination anticipated**
- **Monitor FY06 Suppl/POM funding status**
- **Monitor CALSETS RESET program**
- **Procure mission essential instruments in FY06**
- **Army G8 stop fielding directive for AN/GSM-421 due to overweight system w/armor**

***Draft Transition Plan developed and ready for  
Implementation***